

**ABSTRACT**

Present invention relates to retention system in sport helmets, having a strap with a concave under chin oval protective trauma device embodiment, attached and member to chinstrap of helmet. A horizontal VELCRO TM strap having a curved concave under occipital protuberance protective trauma device embodiment, which is attached and member to rear distal Y lateral straps of helmet. Straps with protective trauma devices attach to helmet retention system by VELCRO TM opposite ends fastening means. Protective trauma device is made of plastic, rubber, polyethylene, semi rigid material. with sufficient strength and elasticity to absorb the downward trauma of the chin being compressed into the chest area or the backward flexion of the head which causes compression of cervical vertebra and disc damage, due to a fall or life- threatening impact sport accident.